

IN THE CLAIMS

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

Claims 1-5. (Cancelled).

- 1 6. (Previously Presented) A method comprising:  
2 executing a program statement of a main program to perform a particular functional operation by  
3 identifying a corresponding functional program using a resource identifier and by specifying an entry  
4 point into one of the overlay spaces;  
5 using the resource identifier to identify a corresponding functional program to perform the  
6 particular functional operation;  
7 loading the functional program into an overlay space specified by the specified entry point by:  
8 loading the functional program into a specified overlay space assigned to  
9 program functions having similar performing tasks; and  
10 loading the resource identifier into a register and reading the register to call the  
11 functional program into the specified overlay space; and  
12 executing the functional program in the overlay space.

Claims 7-8. (Cancelled)

- 1 9. (Previously Presented) The method of claim 6, wherein executing the functional program also  
2 includes calling at least one other functional program, in which functional programs are nested for  
3 overlaying.

- 1 10. (Previously Presented) The method of claim 6, further comprising returning to the main program  
2 after executing the functional program in the overlay space.

Claims 11-19. (Cancelled)